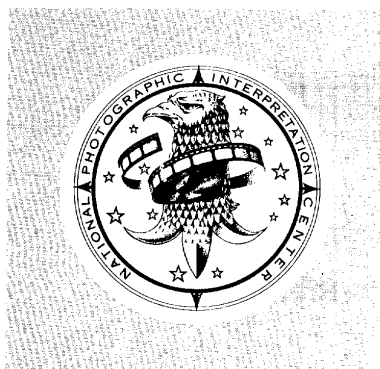


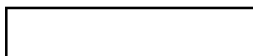
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**BASIC IMAGERY
INTERPRETATION
REPORT**

**NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER**

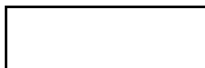
**PETROKREPOST EXPLOSIVES
AND SOLID MOTOR PLANT MOROZOV**



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STRATEGIC WEAPONS INDUSTRIAL PLANTS

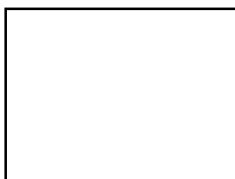
USSR



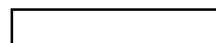
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RCA-09/0052/71

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Petrokrepost Explosives and Solid Motor Plant Morozov

UR

UTM COORDINATES

GEOGRAPHIC COORDINATES

NA

59-59-40N 030-59-50E

MAP REFERENCE

ACIC. US Air Target Chart 200, Sheet 0153-5, scale 1:200,000

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NEGATION DATE (If required)

NA

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NOTICE

1. This report updates the report listed below which substantially satisfies basic reporting requirements for the target. Plant activity, new construction, and redesignation of facilities since [] the date of the latest photography used in the referenced report, are described under "Basic Description."

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NPIC. [] RCA-09/0052/70, *Petrokrepost Explosives and Solid Motor Plant Morozov, USSR*, Jun 70 (TOP SECRET [])

2. Although the Petrokrepost plant may not be engaged in the series production of rocket motors, it may be a research and development (R&D) facility for prototype motors.

3. This report includes a photograph, a line drawing, and mensural and reference data.

BASIC DESCRIPTION

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4. New structures and new identifications since [] were observed in three areas in the western part of the plant (Figure 1). The nitroglycerine sections have been redesignated a nitroglycerine and industrial explosives area. A large portion of the unidentified production area, previously unoccupied, has been identified as a possible munitions loading area. The probable rocket motor production area has been identified as a rocket motor production area and extended to include a rail-served finishing and shipping building.

5. Additional components have been constructed or newly identified in the nitroglycerine and industrial explosives area, the possible munitions loading area, and the unidentified production area (Figure 2 and Table 1). A small storage building and a small unidentified building were constructed on the east edge of the rocket motor production area.

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6. The identification of a large rocket motor and a variety of chambers or canisters on [] photography was the first indication of rocket motor production at the plant.¹ Photography from [] shows a total of 18 probable and possible motors and canisters of at least four different sizes:

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<u>Motors/Canisters</u>	<u>Size</u>	<u>Location</u>
1 motor		On railcar
1 canister		Rocket motor production area
5		Rocket motor production area
4		Rocket motor production area
6 (with four shipping crates)		Rocket motor production area
1		On railcar at finishing & shipping building

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7. The observation of these rocket motors or canisters is evidence that the plant produces rocket motors. However, some of the production areas of the plant do not appear to be capable of supporting series production of rocket motors. The plant contains only a single nitroglycerine line and there is no evidence of a nitrocellulose production capability at the plant. The variety of sizes of rocket motors or canisters observed and the limited test capability available at the plant indicate that it is engaged in a research and development prototype production function, probably involving a composite modified double-base propellant.

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8. The rocket motor test facility at Petrokrepost is too small to test most of the motors seen at the plant. There are, however, three other rocket motor test facilities within 18.0 nm of Petrokrepost. Two of the test facilities, Leningrad Solid Motor Test Facility 2 and 3 [] are probably capable of testing the largest motors observed at Petrokrepost. Rail lines extend from the Petrokrepost plant to the immediate vicinity of both of these test facilities. The large rocket motor observed on [] may have been in transit to or from these test facilities. Leningrad Solid Motor Test Facility 1 [] also has a direct rail connection to Petrokrepost and is probably capable of testing the many smaller rocket motors or canisters observed at the Petrokrepost plant.

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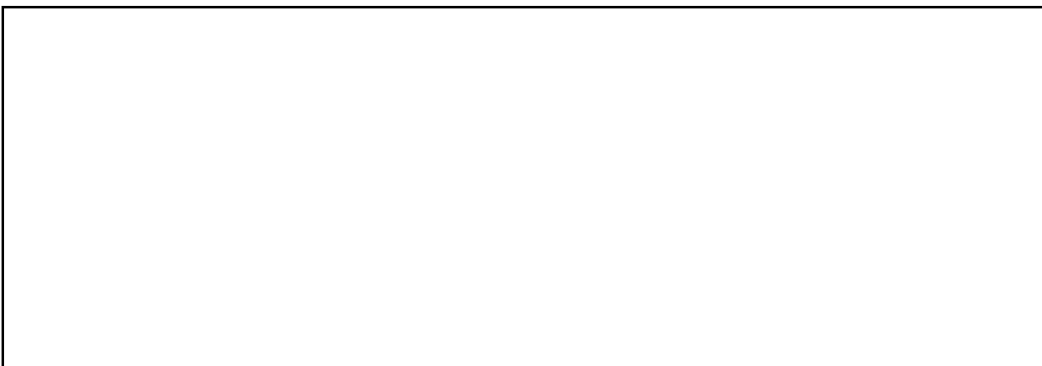
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REFERENCES

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DOCUMENT

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NPIC. [] PIN-073/71, *New-type Rocket Motor, Petrokrepost Explosives and Solid Motor Plant*
Morozov, USSR, May 71 (TOP SECRET [])

REQUIREMENT

COMIREX J04
NPIC/IEG/SD/SIB Project 221299

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Table 1. Additional Significant Components Constructed or Identified Since
Petrokrepost Explosives and Solid Motor Plant Morozov (Items keyed to Figure 2)

Item	Description	Dimensions* meters feet			Roof Cover
		L	W	H	

Unidentified Production Area

- 24 Unidentified bldg
- 25 Unidentified bldg
- 26 Unidentified bldg
- 27 Propellant processing bldg
- 28 Remote control bldg
- 29 Unidentified bldg
- 30 Administration bldg
- 31 Remote control section
- 32 Remote control section
- 33 Storage bldg
- 34 Storage bldg

Nitroglycerine and Industrial Explosives Production Area

- 8 Poss dynamite processing bldg
- 9 Explosives storage bldg
- 10 Poss dynamite processing bldg
- 11 Poss dynamite processing bldg
- 12 Explosives storage bldg

Possible Munitions Loading Area

- 1 Explosives storage bldg
- 2 Explosives storage bldg
- 3 Explosives storage bldg
- 4 Explosives storage bldg
- 5 Poss munitions loading bldg
- 6 Poss munitions loading bldg (2)
- 7 Poss munitions loading bldg
- 8 Poss munitions loading bldg
- 9 Poss munitions loading bldg (5)
- 10 Poss munitions loading bldg (6)
- 11 Poss munitions loading bldg
- 12 Poss munitions loading bldg (4)

Total roof cover of new and newly identified structures (including two new bldgs in rocket motor production area)

Previous total roof cover (as of)

New total roof cover (as of)

The measurements given are accurate to within with a 95% confidence level.

~~TOP SECRET~~

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